

J. Martin

1632

#10
CJPP
7/14/99

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/961,443A

DATE: 05/07/1999
TIME: 10:18:55

Input Set: H961443A.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Townes, Tim M.
2 Ryan, Thomas
3 Ciavatta, Dominic
4 <120> TITLE OF INVENTION: TRANSGENIC ANIMALS THAT PRODUCE HUMAN
5 HEMOGLOBIN
6 <130> FILE REFERENCE: 04005/013003
7 <140> CURRENT APPLICATION NUMBER: US/08/961,443A
8 <141> CURRENT FILING DATE: 1997-10-30
9 <150> EARLIER APPLICATION NUMBER: 08/934,385
10 <151> EARLIER FILING DATE: 1997-09-19
11 <150> EARLIER APPLICATION NUMBER: 08/888,433
12 <151> EARLIER FILING DATE: 1997-07-07
13 <150> EARLIER APPLICATION NUMBER: 08/611,542
14 <151> EARLIER FILING DATE: 1996-03-06
15 <160> NUMBER OF SEQ ID NOS: 19
16 <170> SOFTWARE: FastSEQ for Windows Version 3.0
17 <210> SEQ ID NO 1
18 <211> LENGTH: 23
19 <212> TYPE: DNA
20 <213> ORGANISM: Mus musculus
21 <400> SEQUENCE: 1
22 tcttcttgcc tcagcctacc agg 23
23 <210> SEQ ID NO 2
24 <211> LENGTH: 23
25 <212> TYPE: DNA
26 <213> ORGANISM: Mus musculus
27 <400> SEQUENCE: 2 23
28 ccctcaaaacc aaaactgagga gcg
29 <210> SEQ ID NO 3
30 <211> LENGTH: 23
31 <212> TYPE: DNA
32 <213> ORGANISM: Escherichia coli
33 <400> SEQUENCE: 3
34 tgaagagctt ggcggcgaat ggg 23
35 <210> SEQ ID NO 4
36 <211> LENGTH: 23
37 <212> TYPE: DNA
38 <213> ORGANISM: Mus musculus
39 <400> SEQUENCE: 4
40 gagcaatgtg gacagagaag gag 23
41 <210> SEQ ID NO 5
42 <211> LENGTH: 23
43 <212> TYPE: DNA
44 <213> ORGANISM: Mus musculus

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/961,443ADATE: 05/07/1999
TIME: 10:18:55

Input Set: H961443A.RAW

45 <400> SEQUENCE: 5 23
46 tgatgttgtt ttctgggtt gtg
47 <210> SEQ ID NO 6
48 <211> LENGTH: 23
49 <212> TYPE: DNA
50 <213> ORGANISM: Homo sapiens
51 <400> SEQUENCE: 6 23
52 aatataccct gactccttagc ctg
53 <210> SEQ ID NO 7
54 <211> LENGTH: 20
55 <212> TYPE: DNA
56 <213> ORGANISM: Homo sapiens
57 <400> SEQUENCE: 7 20
58 ctgcagggtg aggaaggaag
59 <210> SEQ ID NO 8
60 <211> LENGTH: 23
61 <212> TYPE: DNA
62 <213> ORGANISM: Homo sapiens
63 <400> SEQUENCE: 8 23
64 atgccagaag ctctggaatt ctg
65 <210> SEQ ID NO 9
66 <211> LENGTH: 27
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens
69 <400> SEQUENCE: 9 27
70 gcgcacacaaggc tttgcgtgga cccggtc
71 <210> SEQ ID NO 10
72 <211> LENGTH: 27
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapiens
75 <400> SEQUENCE: 10 27
76 ccttgaccc agtgtttctt tgagtcc
77 <210> SEQ ID NO 11
78 <211> LENGTH: 25
79 <212> TYPE: DNA
80 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 11 25
82 cgcacgtgga ctgcgtgccc aacgc
83 <210> SEQ ID NO 12
84 <211> LENGTH: 27
85 <212> TYPE: DNA
86 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 12 27
88 cctgaggaga agtgtgcccgt tactgcc
89 <210> SEQ ID NO 13
90 <211> LENGTH: 27
91 <212> TYPE: DNA
92 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 13 27
94 gtggatcctg agacacccat ggtgagt

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/961,443ADATE: 05/07/1999
TIME: 10:18:55

Input Set: H961443A.RAW

95 <210> SEQ ID NO 14
96 <211> LENGTH: 27
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 14
100 caaacagaca ccatgctgac tcctgag 27
101 <210> SEQ ID NO 15
102 <211> LENGTH: 15
103 <212> TYPE: DNA
104 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 15 15
106 atgggtgcacc tgact
107 <210> SEQ ID NO 16
108 <211> LENGTH: 4
109 <212> TYPE: PRT
110 <213> ORGANISM: Homo sapiens
111 <400> SEQUENCE: 16
112 Met Val His Leu
113 1
114 <210> SEQ ID NO 17
115 <211> LENGTH: 26
116 <212> TYPE: DNA
117 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 17 26
119 tgaacgtgga tgccgttggt ggtgag
120 <210> SEQ ID NO 18
121 <211> LENGTH: 27
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo sapiens
124 <400> SEQUENCE: 18 27
125 gctcacctgg acaagctcaa gggcacc
126 <210> SEQ ID NO 19
127 <211> LENGTH: 27
128 <212> TYPE: DNA
129 <213> ORGANISM: Homo sapiens
130 <400> SEQUENCE: 19 27
131 ggcaccccttg cccagctgag tgagctg

PAGE: 4

VERIFICATION SUMMARY
PATENT APPLICATION US/08/961,443A

DATE: 05/07/1999
TIME: 10:18:55

Input Set: H961443A.RAW

Line ? Error/Warning

Original Text